

ABSTRACT OF THE DISCLOSURE (Amended)

Method of identification and quantitative analysis of [alcohol(s)] alcohols in a sample by mass spectrometry using stable isotope labeled internal standards is provided. [Said] Stable isotope internal standards [is] are prepared by reaction of an authentic sample of [said] the alcohols with a stable isotope labeled reagent, and is added to a sample [containing said] containing the alcohols. [Said] The alcohols in [said] the sample mixture [is] are then quantitatively converted to [a] chemical compounds of identical structure, except the stable isotope atoms, as [that] those of [said] the synthesized stable isotope labeled internal standards using a non-labeled reagent. [Said] The sample mixture is then extracted and the extract is analyzed by mass spectrometry. Identification and quantification of [said] alcohols are made from a plot of ion ratio of [said] the converted [alcohol] chemical compounds to [said] the stable isotope labeled internal standards versus alcohol concentration.